

SHOWY PARTRIDGE PEA

Chamaecrista fasciculata
 (Michx.) Greene
 plant symbol = CHFA2

Contributed by: USDA NRCS Plant Materials Program



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Alternate Names

Cassia fasciculata Michx., sleeping plant

Uses

Wildlife: This plant provides food for birds. The seed is one of the major food items of northern bobwhite and quail because it remains in sound condition throughout the winter and early spring.

Erosion control: The plant can be used along road banks and stream banks to control erosion.

Recreation and beautification: The flowers of this plant can be used to beautify areas where wildflowers are planted.

Status

Please consult the PLANTS Web site and your State Department of Natural Resources for this plant's current status (e.g. threatened or endangered species, state noxious status, and wetland indicator values).

Description

Chamaecrista fasciculata (Michx.) Greene, showy partridge pea, is an annual suberect legume plant that reaches a height of 1 to 3 feet. The leaves consist of 10 to 15 pairs of small, narrow leaflets that are somewhat delicate to the touch. The showy yellow flowers, about 1 inch across, grow 2 to 4 together in clusters on the stem. Flowers normally bloom July-September. The fruit is a straight, narrow pod 1½ to 2½ inches long, which splits along 2 sutures as it dries; the pod sides spiral to expel the seeds. The highest seed production has been obtained under 30% shade, followed in decreasing order by 55% shade, full sunlight, and dense shade.

Adaptation and Distribution

This plant grows on a wide range of soils that are slightly acid to moderately alkaline. However, it grows best on moderately lime, well drained soils. It is important to use an adapted strain to ensure that successful reseeding will occur.

Showy partridge is distributed throughout the eastern and midwest United States. For a current distribution map, please consult the Plant Profile page for this species on the PLANTS Website.

Establishment

Established stands should be disked lightly in the spring to expose mineral soil on which the seed can germinate. Drill seeds at 1/4 to 3/4 inch deep at a rate of 10 pounds per acre. If broadcast, seed rate should be increased and seed covered by lightly disking or by cultipacking. Planting should be conducted late winter (March) to late spring (May) while soil moisture is still high. Germination is improved by scarification of the seed prior to planting. Seed should also be inoculated with the correct rhizobial bacteria before planting. Fertilizer should be applied at the recommended rate, based on soil samples, at time of planting.

Management

Partridge pea usually reseeds but will gradually disappear without regular maintenance. Light disking to remove weeds, small brush, and old sod is necessary for healthy plantings or natural stands. In areas where prescribed burning is permitted, controlled fire is an excellent method for controlling unwanted vegetation. Fire or disking should be done in late winter for best results. Weeds can also be controlled during the growing season by mowing over the top of the partridge pea.

Pests and Potential Problems

None reported at this time.

Cultivars, Improved, and Selected Materials (and area of origin)

‘Comanche’ (TX) and Lark Selection (AR), a selected class release from the Jamie L. Whitten Plant Materials Center in MS. ‘Comanche’ (variety) and Lark Selection (a selected class release from the Jamie L. Whitten Plant Materials Center (MS)).

Prepared By & Species Coordinator:
USDA NRCS Plant Materials Program

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For more information about this and other plants, please contact your local NRCS field office or Conservation District, and visit the PLANTS <<http://plants.usda.gov>> and Plant Materials Program Web sites <<http://Plant-Materials.nrcs.usda.gov>>.

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